
MSDL messages

The MSDL provides 4 ports for applications such as the following:

- ISDN Primary Rate D-channel (DCH)
- Application Module Link (AML)
- Input/Output devices (TTY)

The MSDL messages report problems with the MSDL card and its applications. The MSDL commands are provided in LD 37, LD 48, and LD 96.

The following is a brief discussion of the messages relating to MSDL. For a complete discussion, refer to *X11 input/output guide* (553-3001-400).

MSDL001	The number of parameters for the MSDL command is incorrect.
MSDL002	The card number in the command is out of range or invalid.
MSDL003	Since this command is only valid for use on the MSDL card in this overlay, the first parameter must be MSDL.
MSDL004	Cannot reset the card (or execute self-tests) right now because the card is not in Manually Disabled state (MAN DSBL).
MSDL005	Failed to reset; could not write command to card. Card is probably not present, or the switch settings on the card do not agree with the database.
MSDL006	Cannot enable the card unless it is in Manually Disabled (MAN DSBL) state.
MSDL007	Cannot disable card unless it is in the ENBL state.
MSDL008	Cannot reset the card (or execute self-tests) on the card right now since the device enabled bit is set, meaning a message response is currently pending.
MSDL011	No response received to the enable card command.
MSDL012	The response message from the card to the overlay indicates failure to enable/disable.

MSDL014	No response received to the disable card command. The card is set to the Manually Disabled (MAN DSBL) state anyway.
MSDL015	The command that was entered requires that a message be sent to the MSDL. The Meridian 1 was unable to build the message since the buffer was not free. Try again later.
MSDL016	Failed enable attempt. If this message is not accompanied by any other error message, the card may be in the process of performing self-tests or the self-tests may have already failed. Wait a few minutes, then execute the self-tests with the SLFT MSDL x command. If self-tests pass, try to enable the card again.
MSDL017	At least one of the ports on the MSDL is currently enabled. Disabling the card is disallowed when ports are enabled unless the DIS MSDL x ALL command is used.
MSDL018	The fourth parameter of the command is unrecognized or unimplemented.
MSDL019	The command entered required that information be read from the MSDL. The specified MSDL is not present in the system, and the information could not be read.
MSDL020	The command entered required that the application information block on the MSDL be read by the Meridian 1. The block is currently being updated by the MSDL, and the system could not read the block. Try again.
MSDL021	Began to download the MSDL basecode but stopped before finishing. There should be an SDL error message; refer to the information on that message as to the reason for the failure.
MSDL022	The rest of the information output in response to this command is resident on the card. The card is not enabled, and the information cannot be read.
MSDL024	The Meridian 1 began to download an MSDL application but stopped before finishing. There should be an SDL error message; refer to the information on that message as to the reason for the failure.
MSDL025	There is currently maintenance activity on the application in question. Wait a few minutes and try again.
MSDL026	Disabling the MSDL when the active TTY is supported by it is not allowed.
MSDL027	Time out waiting for the self-tests to complete. Wait at least five minutes, then try again. Note: Under certain unusual circumstances, self-tests can take approximately five minutes, but this should only occur when the flash EPROM on the card is new or has been completely erased.
MSDL028	Unable to enable the card as it is not present in the system. If the card in question is believed to be present, check if the switch settings on the card agree with the device number entered in this command.

MSDL029	Incorrect password entered in response to the ENL MSDL x DBG command.
MSDL030	The debug option for this card has already been turned on.
MSDL031	The ENL MSDL x ALL command is only valid when the MSDL is in the ENBL or MAN DSBL state.
MSDL032	The MSDL card was removed from its slot, or the card reset itself during the self-tests. If the card was removed, execute the self-tests again and do not remove the card from its slot until the tests are complete. If the card was not removed, execute the self-tests again. If this message appears more than twice, replace the MSDL card.
MSDL100 x	The CSTAT and CSUBSTAT fields on MSDL x indicate the card is Manually Disabled. The Meridian 1 believes the card is Enabled. The card is placed in the System Disabled - Selftests Passed state, and within the next few minutes, the Meridian 1 will attempt to enable the card.
MSDL101 x	The CSTAT field on MSDL x indicates the card is no longer Enabled. The Meridian 1 will attempt to return the card to an Enabled state within a few minutes. Under certain conditions, this message is output at the same time as MSDL302.
MSDL102 x	No response was received from MSDL x to a background polling message sent periodically to each MSDL card. The purpose of this message is to ensure that the card is capable of receiving and sending messages.
MSDL103 x	An overlay was waiting for a message from MSDL x. Most likely, the overlay is no longer loaded. The message the overlay was waiting for was never received.
MSDL104 x	The MSDL background audit sent a message to MSDL x and did not receive a response.
MSDL105	The CSTAT value read from the MSDL is invalid. This indicated one of two error conditions: — The card has encountered a severe hardware fault so that it is unable to report the error to the Meridian 1. — There may be multiple cards in the system with the same device number (switch settings) as the MSDL. When the CSTST is read from the MSDL, it may not be the MSDL card that is responding. Be sure no other cards in the system share the device number. If so, change the device numbers. If not, replace the card.
MSDL106 x appl	The MSDL audit detected that there was no response to a maintenance message originated by application “appl” on MSDL x.
MSDL107 x appl	The Meridian 1 was unable to determine if downloading was necessary. Three fields accompany this message, including the MSDL card number and the application name. The third field contains a value for internal use only.

MSDL108 x appl	Application “appl” on MSDL x needs to be downloaded to the card. Downloading begins as soon as there is no overlay loaded.
MSDL112 x	MSDL x has been reset to begin automatic recovery. Immediately following this message, the card is executing self-tests. When they are finished, provided they pass, the Meridian 1 will attempt to enable the card.
MSDL201 x appl	MSDL x sent a message to the Meridian 1 indicating application “appl” data space has been corrupted.
MSDL202 x appl	MSDL x sent a message to the Meridian 1 indicating that application “appl” on the card unexpectedly disabled itself (performed a “close”).
MSDL204 x appl	The Meridian 1 searched the system disk to find a version of an application “appl” for MSDL x and found none.
MSDL205 x appl	An error was encountered when searching the system disk to find a version of application “appl” for MSDL x. Refer to an accompanying SDL error message for the exact error reason. This message indicates that Meridian 1 attempts to enable the application in question if a version exists on the card.
MSDL206 x appl y z	An error was encountered when comparing a version of application “appl” on the system disk with a version on MSDL x. Refer to an accompanying SDL error message for the exact error reason. This message indicates that the Meridian 1 will attempt to enable the application in question if a version exists on the card.
MSDL207 x appl y z	An error was encountered when downloading application “appl” to MSDL x. Refer to an accompanying SDL error message for the exact error reason. The entire enable sequence has been aborted.
MSDL208 x	When preparing to download the base software to MSDL x the card indicated that some kind of fatal error was encountered. Execute self-tests before attempting any other action regarding this card.
MSDL209 x y z	Some memory was reclaimed for from the MSDL for future use. An application on MSDL x requested that a buffer pool be freed. When this occurred, there was at least one outstanding buffer. The Basecode waited for the buffer(s) to be returned to the pool before freeing it, but it never returned. The buffer pool was forcibly freed by the Basecode.
MSDL210	Failed to enable the MSDL for one of the following reasons: — The card in question is not an MSDL card. For example, there may be a card in the system with switch settings that correspond to the MSDL, but in fact it is not an MSDL card. — There is at least one other card in the system with switch settings identical to the MSDL’s. Remove the card with the same device number as the MSDL.

MSDL300 data	The MSDL background audit has changed the card state. In the cases where the card was previously enabled and now is no longer enabled, another MSDL message will indicate the reason for the state change. When making a state transition because of a fatal error on the card, the reason for the fatal error is displayed in this message. This is an informational message and requires no action by the craftsperson.
MSDL301 x y z	An expedited data unit was received. The Meridian 1 is not expecting MSDL x to generate any messages in its current state. Following transition to disabled state, a pending message may cause this message to be displayed.
MSDL302 x y	Access to the memory space shared by the Meridian 1 CPU and the MSDL (Shared RAM) has been momentarily suspended by MSDL x. There is no specific action to be taken as a result of this message, however it indicates that message transfer between the Meridian 1 and the card ceased momentarily.
MSDL303 x y	The Meridian 1 detected corruption in either the receive ring, transmit ring, or both, causing access to the memory space shared by the Meridian 1 CPU and MSDL x (Shared RAM) to be momentarily suspended. Take no action because of this message; however, it indicates that message transfer between the Meridian 1 and the card ceased momentarily.
MSDL305 x y	The Meridian 1 has received 50 or more messages from the MSDL x within two seconds. At this level of message transfer, the overall system performance may be affected. The level of message transfer does not warrant removing the card from service. Y indicates the rate of message transfer from the card to the Meridian 1 (in terms of messages per second).
MSDL306 x y	The Meridian 1 has received 50 or more messages from MSDL x within two seconds. At this level of message transfer, the overall system performance may be affected. The level of message transfer warrants removing the card from service. Y indicates the rate of message transfer from the card to the Meridian 1 (in terms of messages per second).
MSDL307 x data	MSDL x encountered a fatal error. The output data is information read from the card regarding the error and is intended for internal use only.
MSDL308 x y appl data	MSDL x reported that it received a message with an invalid (bad) Socket ID (y). "Appl" is the application name, and data is up to 8 words of hex data representing the message sent.

